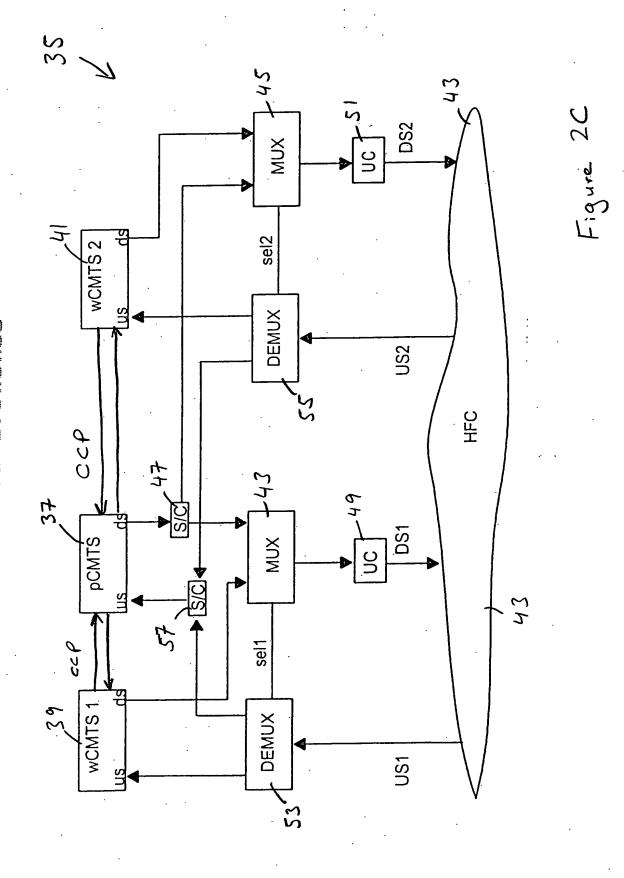
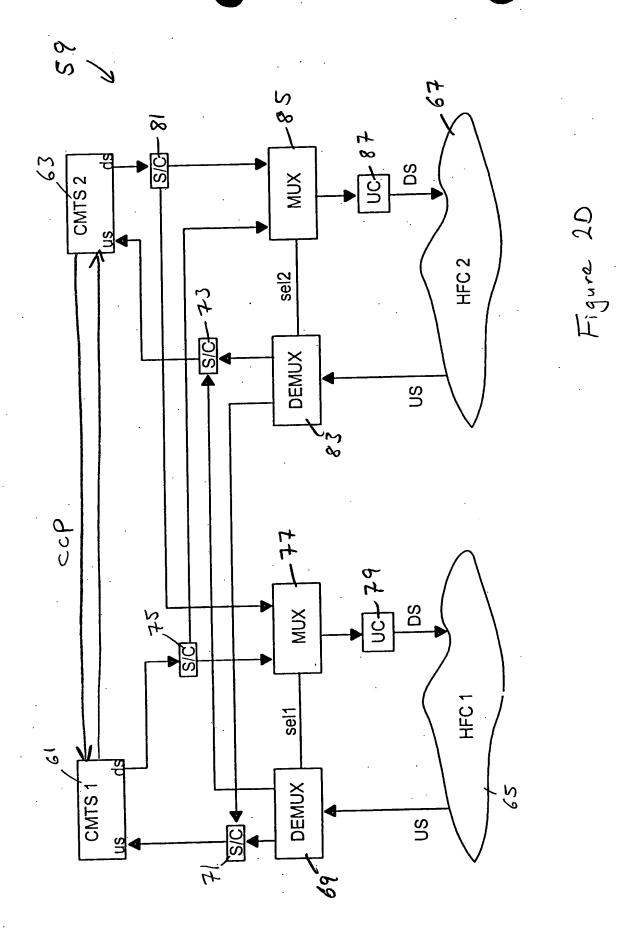
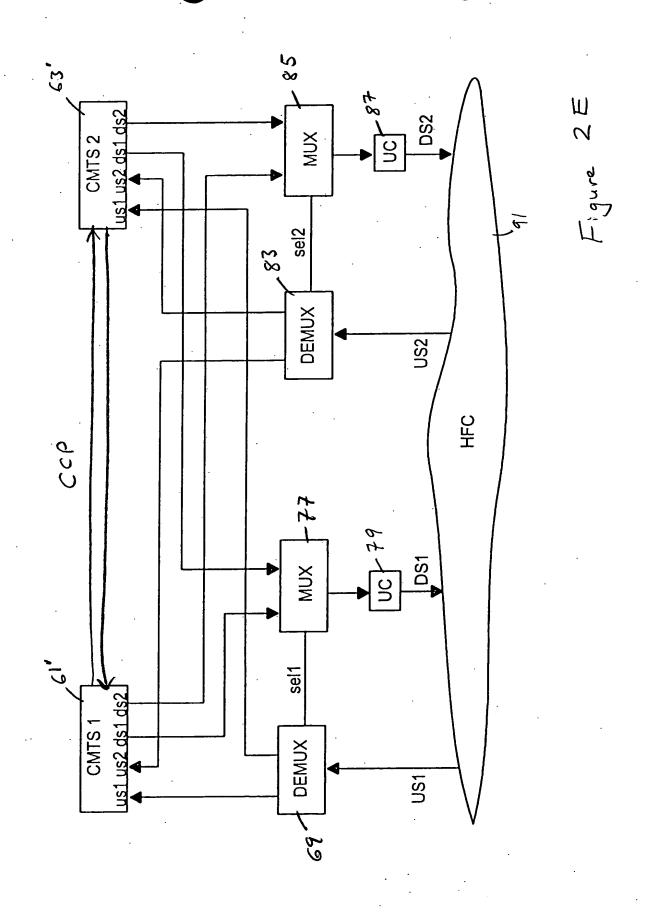


Figure 2B







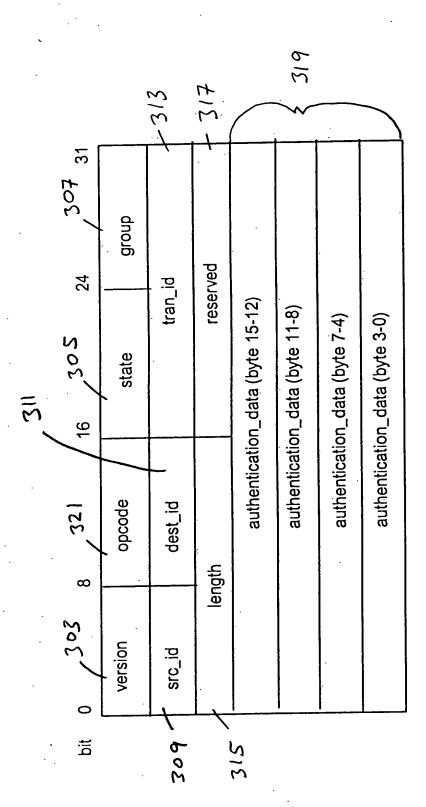


Figure 3A

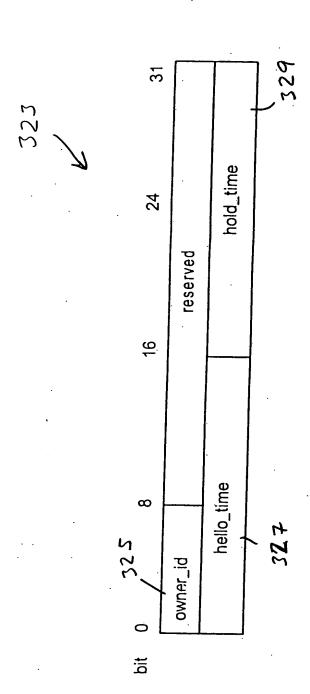
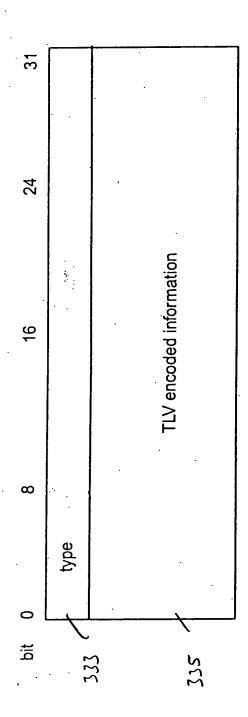


Figure 30



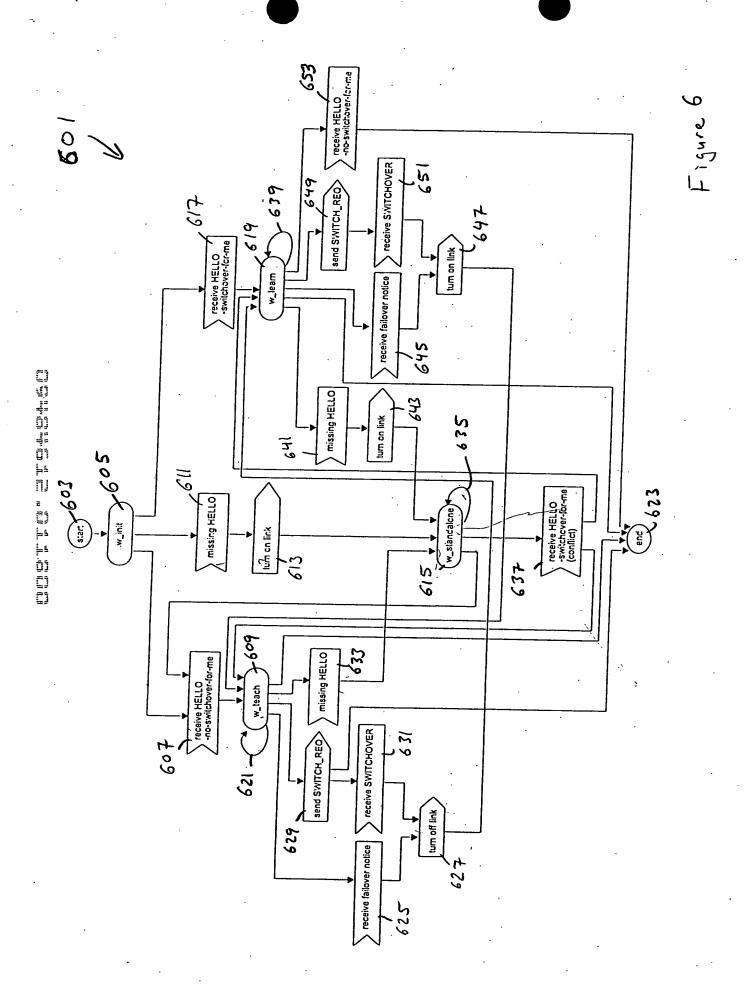
Value Message	Name Message	Description
1	LOCKOUT	Teaching wCMTS tells pCMTS
		that it is not switchable.
2	UNLOCKOUT	Teaching wCMTS tells pCMTS
_		that it is switchable.
3	RESYNC	Teaching wCMTS tells pCMTS
		that it is performing resync its entire
		database.
4	REG CM	Registration. Contains DOCSIS
·		REG_REQ TLVs.
5	UCD	Upstream channel description.
		Contains DOCSIS UCD TLVs.
6	RNG	CM Ranging. Contains DOCSIS
		RNG RSP TLVs.
7	DSA	CM Dynamic service add. Contains
		DOCSIS DSA_REQ TLVs.
8	DSD	CM Dynamic service delete.
		Contains DOCSIS DSD REQ
		TLVs.
9	DSC	CM Dynamic service change.
		Contains DOCSIS DSC_REQ
		TLVs.
10	BPKM	CM Baseline privacy key
		management. Contains DOCSIS(8)
		TLVs.
11	SNA	Subnet add. Contains the MAC and
		IP address and IP mask for the sub-
		interface of CM and CPE to be
		added: 6 bytes MAC address, 4
		bytes IP address, 4 bytes IP mask.
12	SND	Subnet delete. Contains the MAC
		and IP address and IP mask for the
		sub-interface of CM and CPE to be
		deleted: 6 bytes MAC address, 4
		bytes IP address, 4 bytes IP mask.
13	SYNC	Time synchronization. Contains
		DOCSIS SYNC Timestamp.
14	~255	Reserved for future use.

Figure 4

State	wCMTS	Behavior
w_init	hccp->active = NULL; hccp->standbylist: 0 element;	transition state during initialization.
w_standalone	<pre>hccp->active != NULL; hccp->standbylist: 0 element;</pre>	forwarding traffic;
w_teach	hccp->active != NULL; hccp->standbylist: 0 element;	forwarding traffic; receive HELLO; send HELLO_ACK; send SYNC; receive SYNC_ACK;
w_learn	hccp->active = NULL; hccp->standbylist: 1 element;	receive HELLO; send HELLO_ACK; receive SYNC; send SYNC_ACK;

Figure SA

State	pCMTS	Behavior
p_init	hccp->active = NULL; hccp->standbylist: 0 element;	transition state during initialization.
p_standalone	hccp->active != NULL; hccp->standbylist: n-1 elements;	forwarding traffic; send HELLO; receive HELLO_ACK; receive SYNC; send SYNC_ACK;
p_teach	hccp->active != NULL; hccp->standbylist: n-1 elements;	forwarding traffic; send HELLO; receive HELLO_ACK; receive SYNC; send SYNC_ACK; send SYNC_ACK; receive SYNC,
p_leam	hccp->active = NULL; hccp->standbylist: n elements;	send HELLO; receive HELLO_ACK; receive SYNC; send SYNC_ACK;



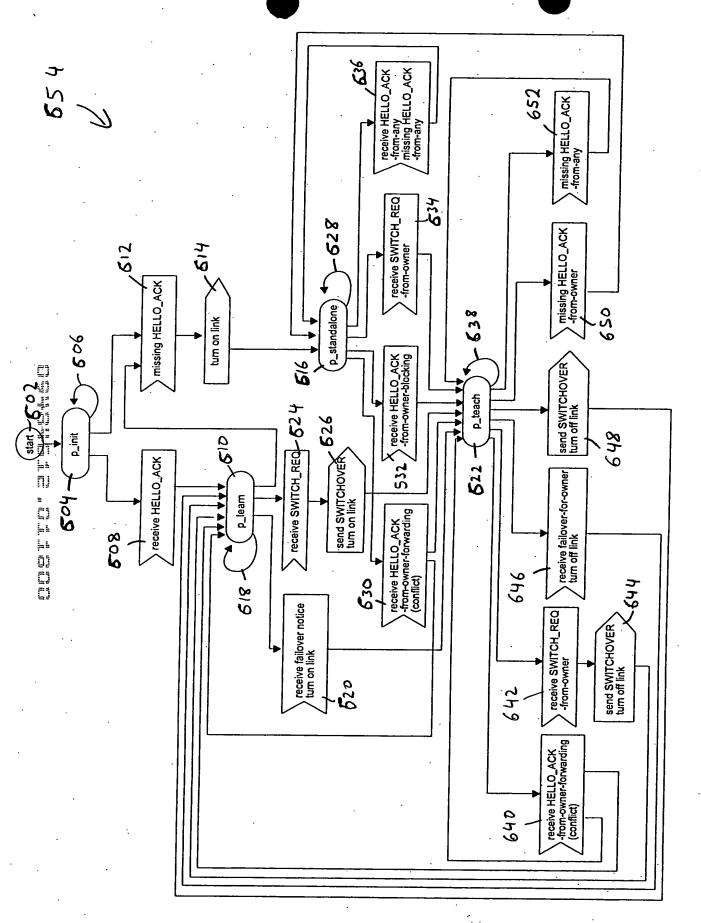


Figure 7

